

Fig. 1

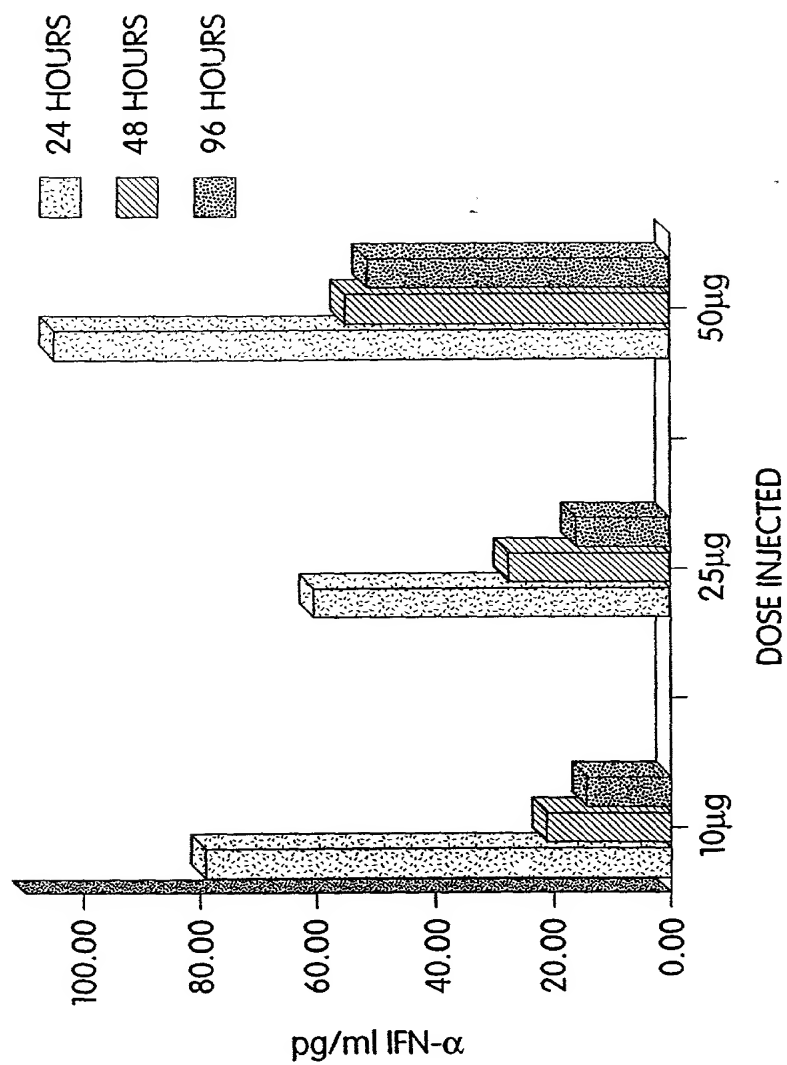


Fig. 2

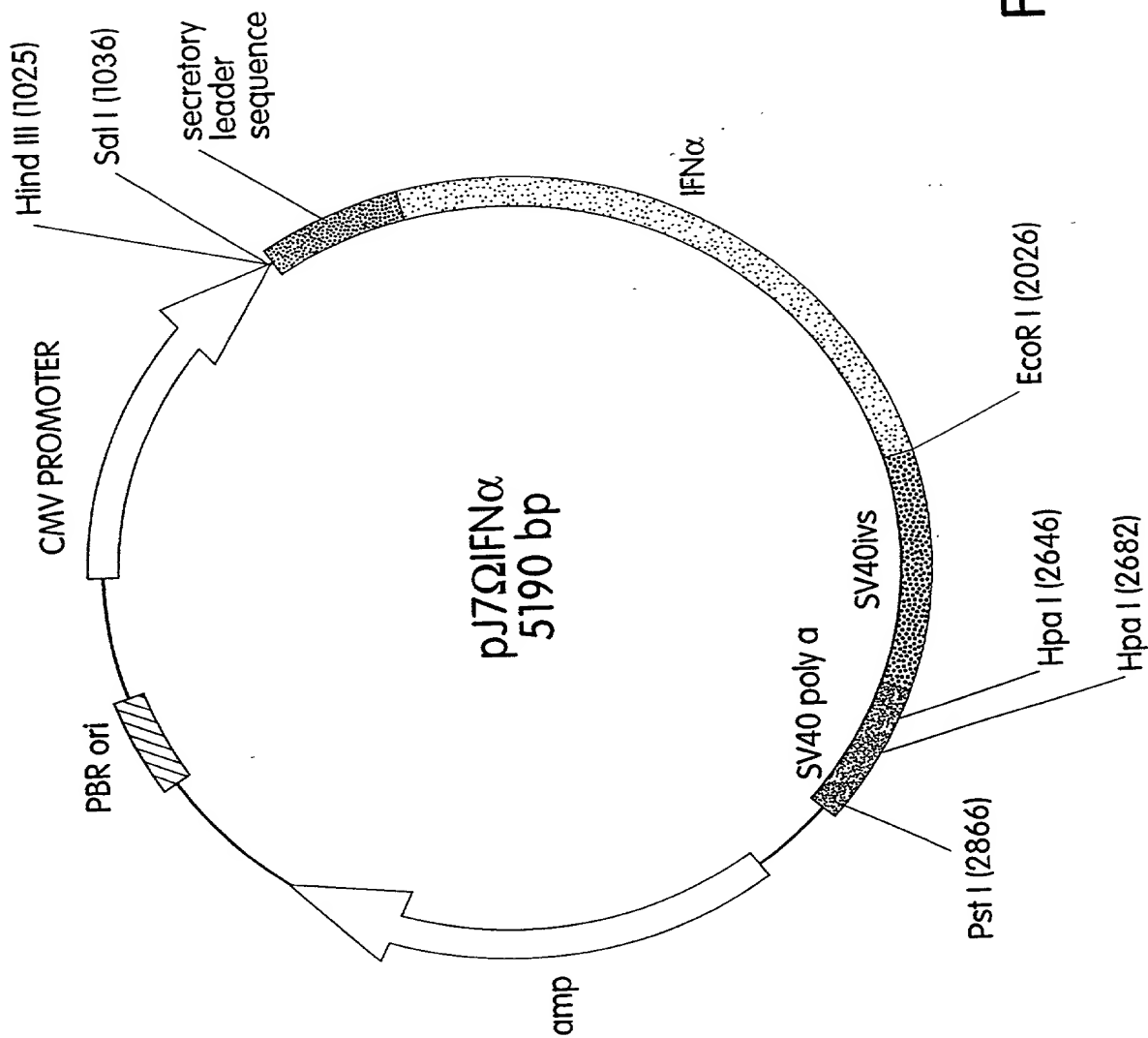


Fig. 3

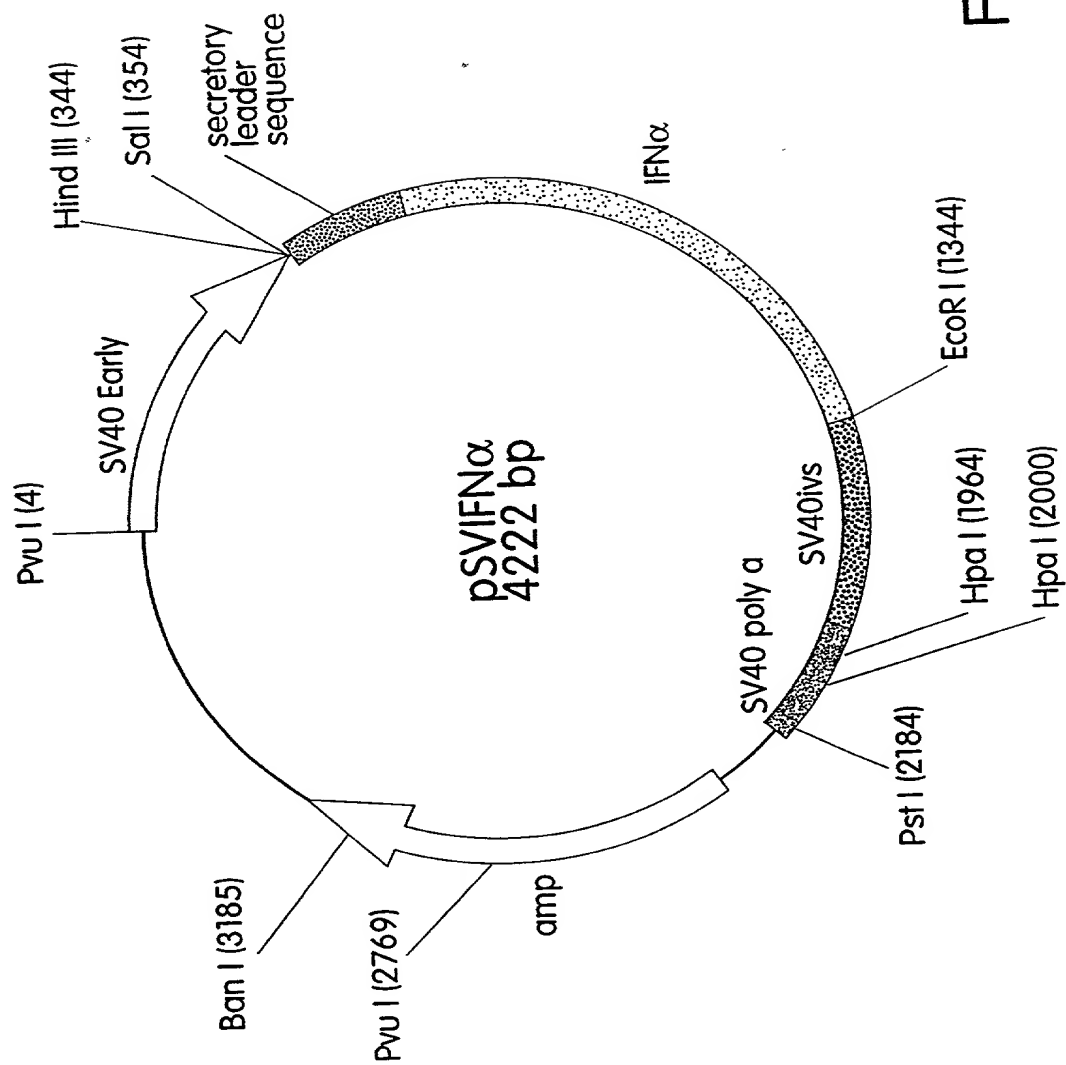


Fig. 4

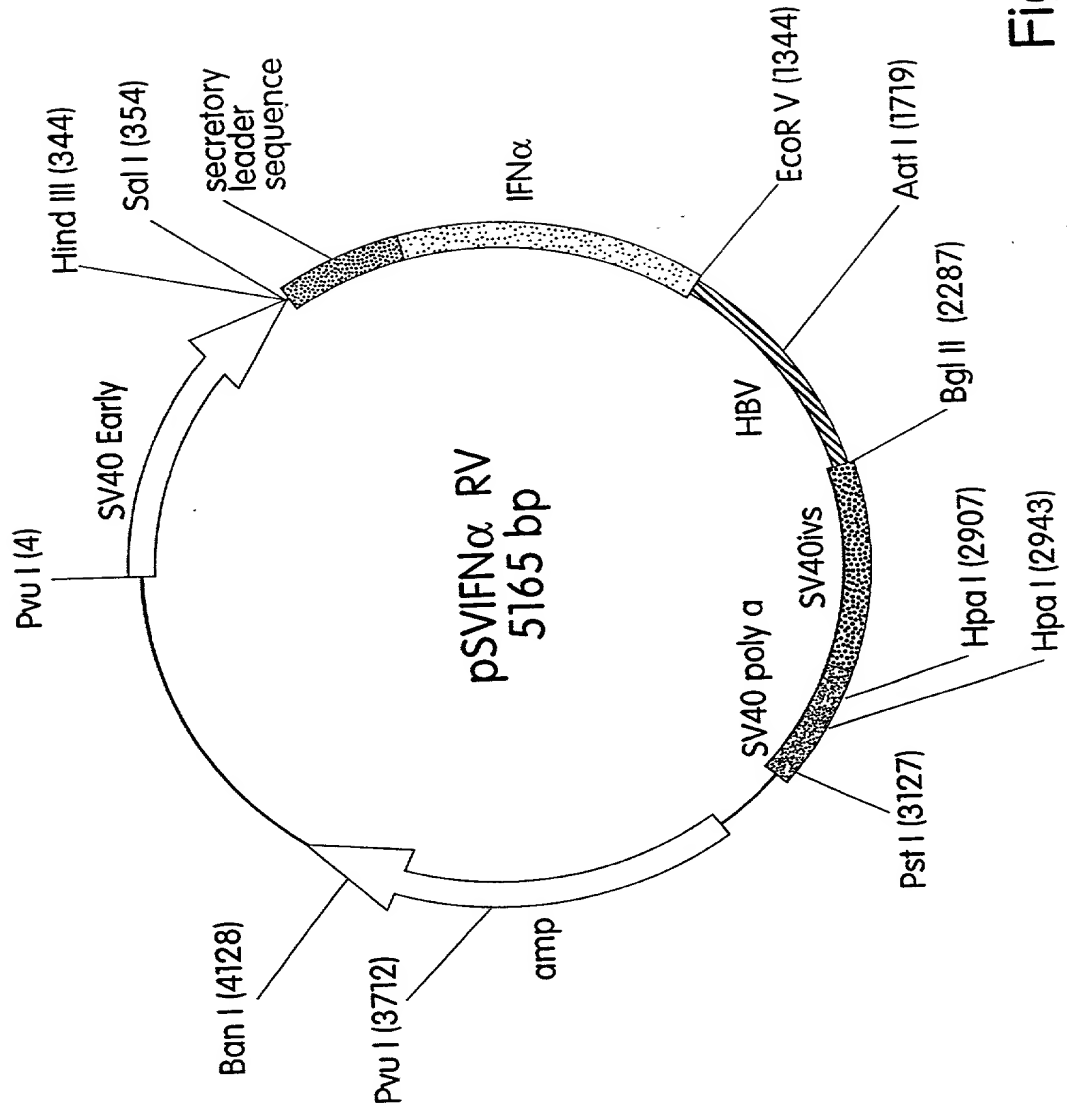


Fig. 5

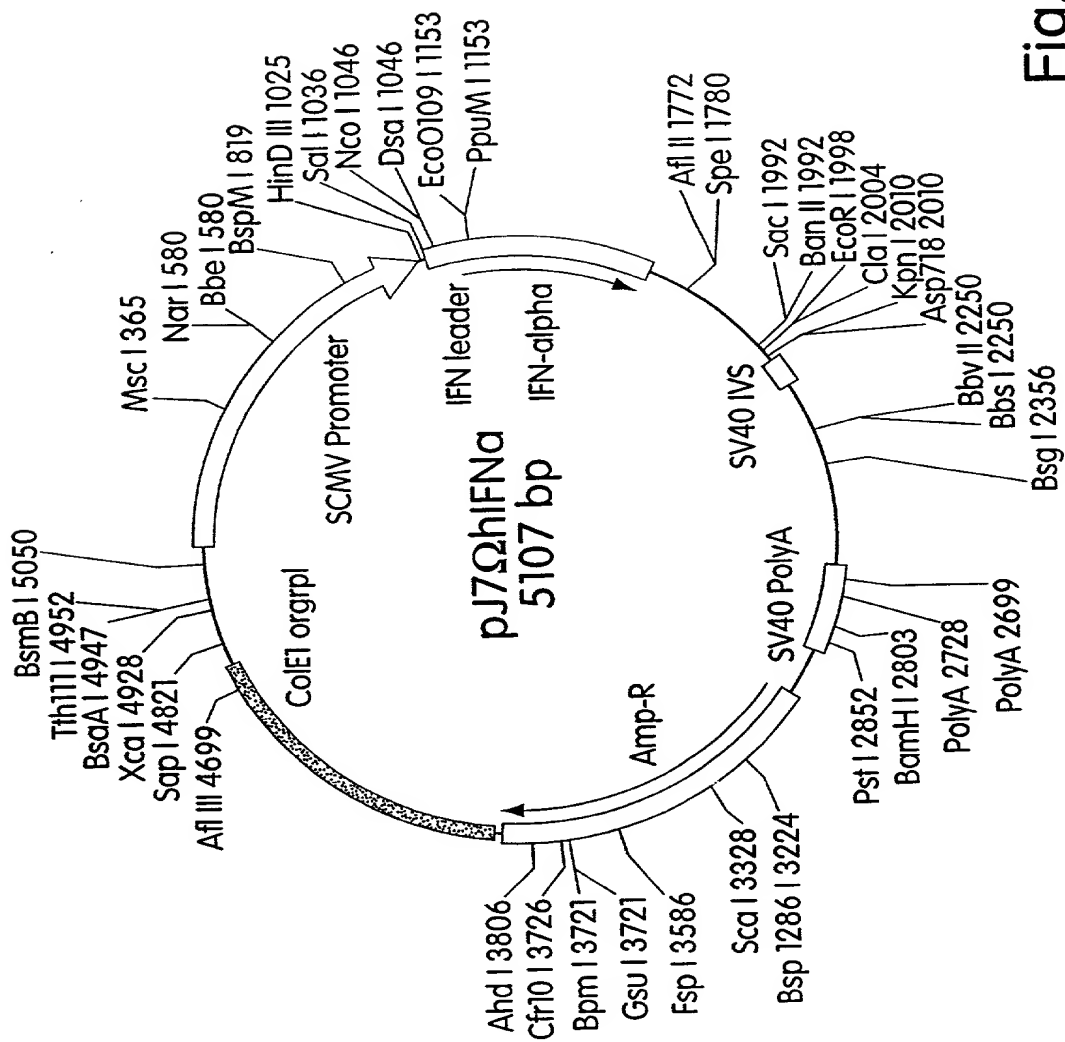


Fig. 6

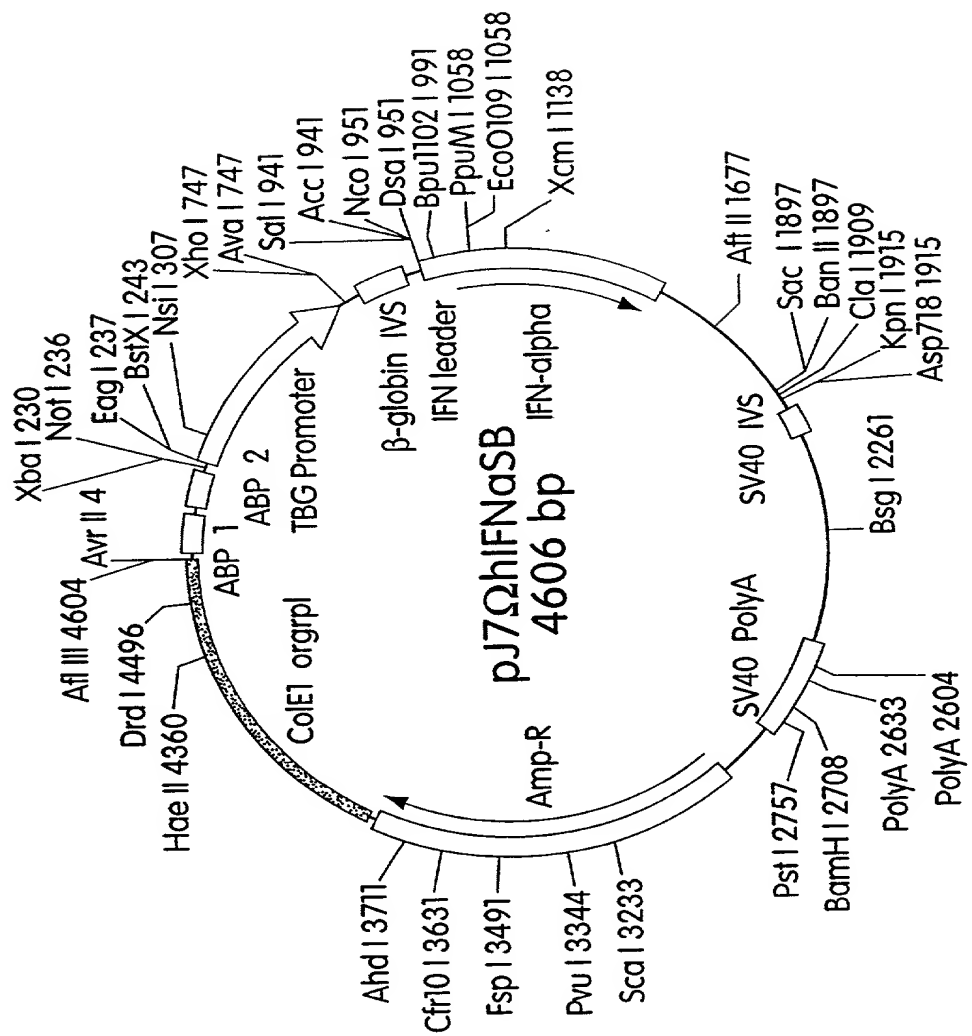


Fig. 7

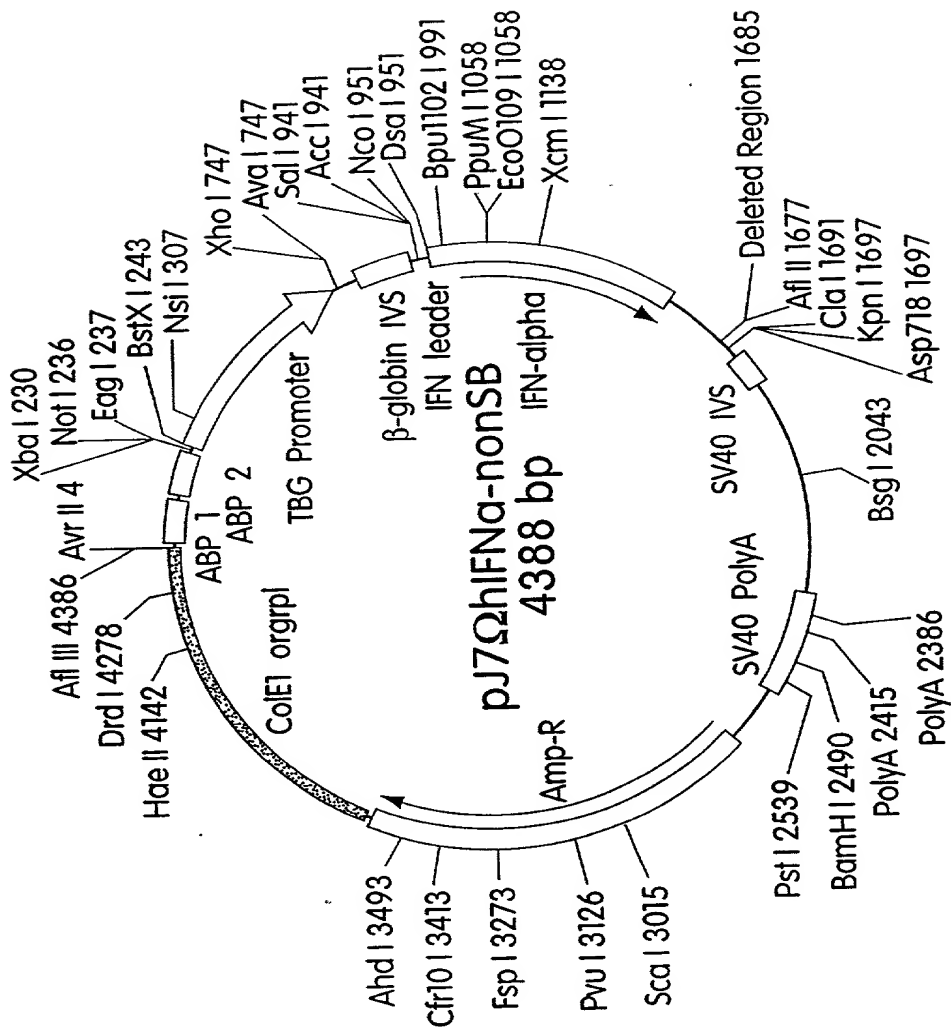


Fig. 8



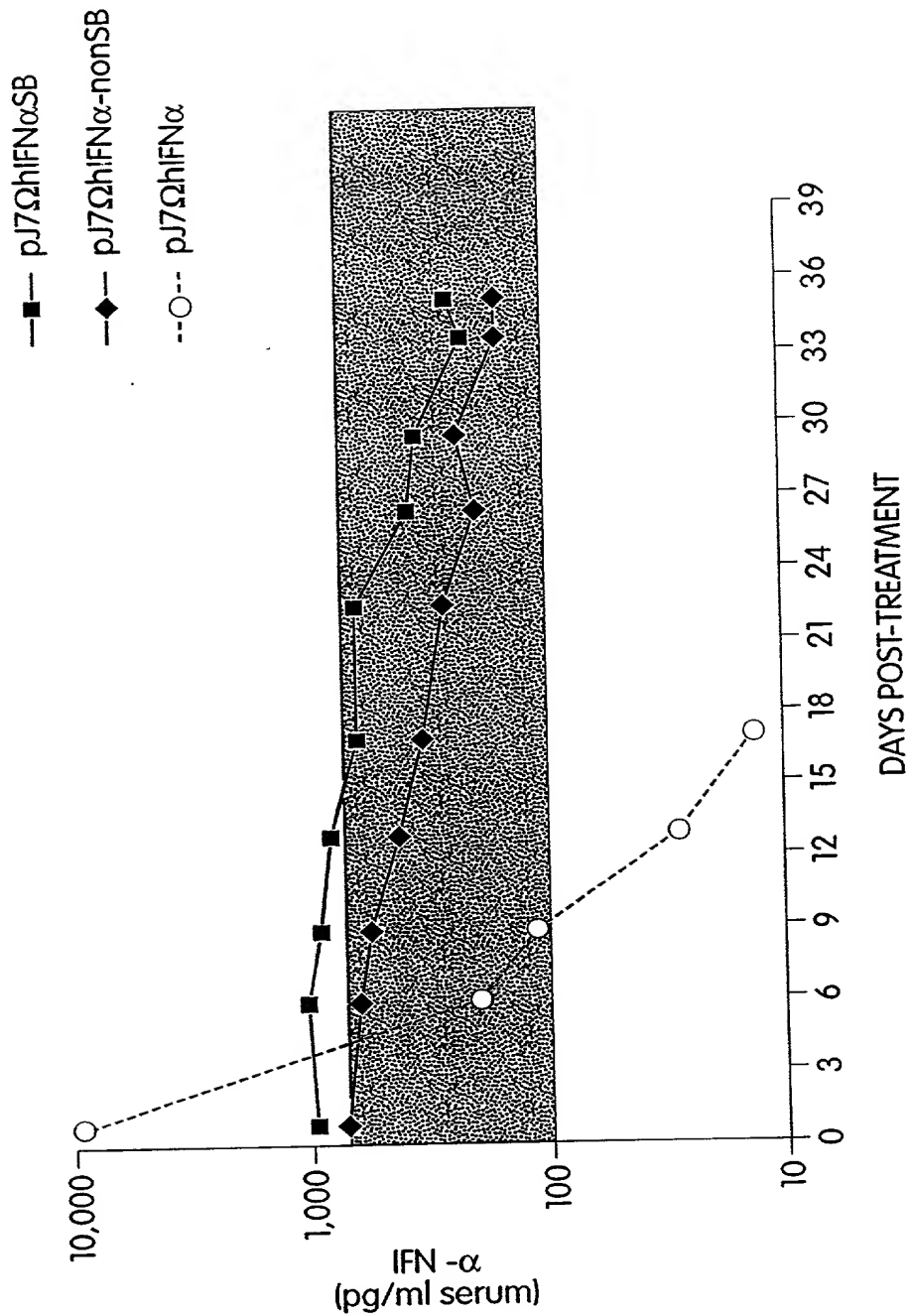


Fig. 9

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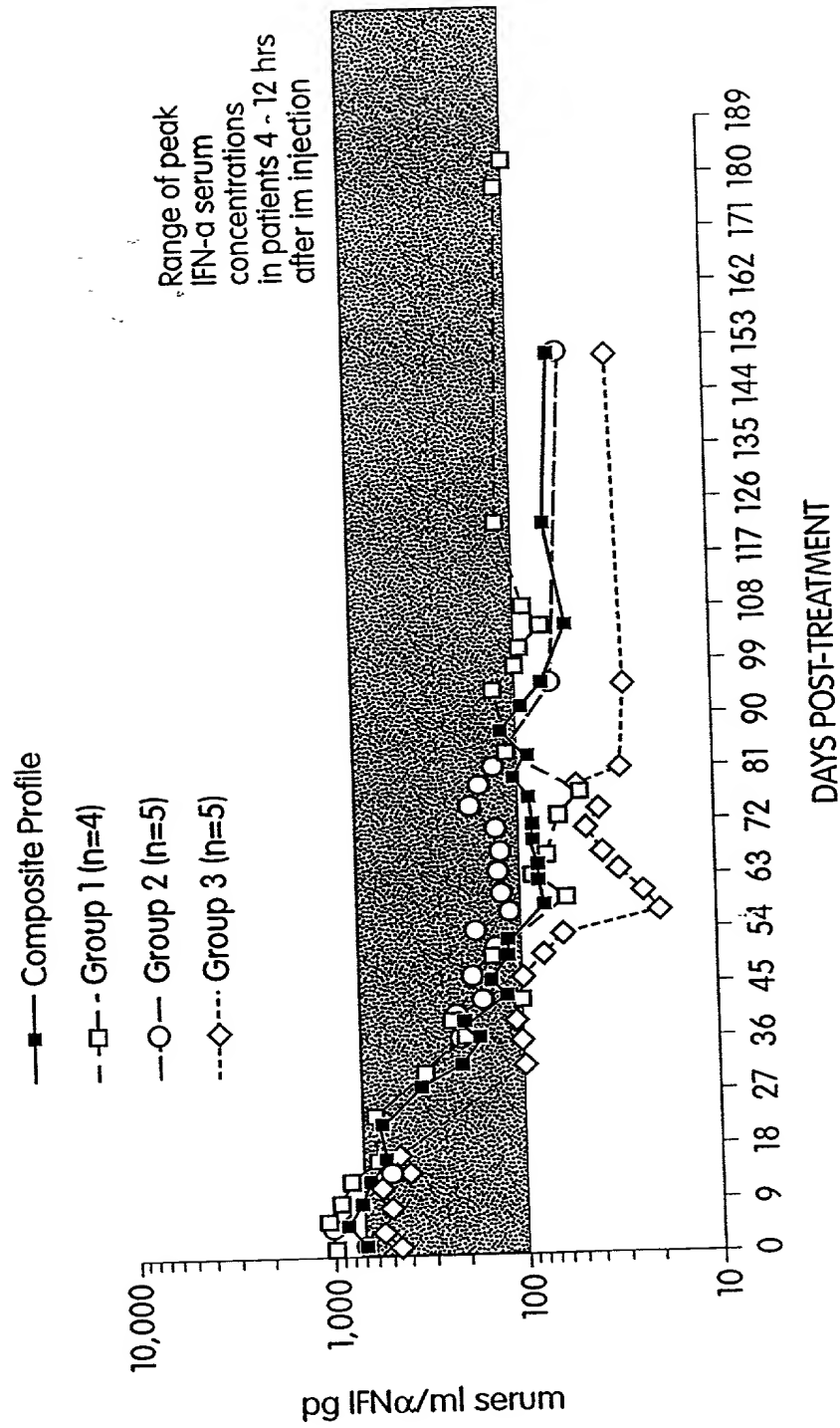


Fig. 10

1	11	21	31	41	51
IFN-α2	CDLPQTHSLG	<u>SRRTLM</u> LLAQ	MRRISLE <u>SC</u> L	KDRHDFGFPQ	EEF-GNQFQK AETIPVLHEM
IFN-α1	CDLPETHSLD	<u>NRRTLM</u> LLAQ	MSRISP <u>SS</u> CL	MDRHDFGFPQ	EEFDGNQFQK APAISVLHEL
61	71	81	91	101	111
IFN-α2	IQIIFNLFT	KDSSAAWDET	LLDKFYTELY	QQNDLEACV	IQGVGVTETP LMKEDSILAV
IFN-α1	IQIIFNLFTT	KDSSAAWDED	LLDKFCTELY	QQNDLEACV	MQEERVGETP LMNADSILAV
	↓				
	↓				
121	131	141	151	161	
IFN-α2	RKYFQRITLY	LKEKKYSPCA	WEVVRAEIMR	SFSLSTNLQE	SLRSKE
IFN-α1	KKYFRITLY	LTEKKYSPCA	WEVVRAEIMR	SLSLSTNLQE	RLRKE

Fig. 11A

		121	125	132	152	161	164	Relative Activity	Enhancement Factor							
IFN-α2	α2	-----	arg	--	gln	--	lys	-----	phe	--	ser	--	ser	--	1	1
IFN-α2-T132	α2	-----	arg	--	gln	--	THR	-----	phe	--	ser	--	ser	--	0.1	0.05
IFN-α2-R125	α2	-----	arg	--	ARG	--	lys	-----	phe	--	ser	--	ser	--	140	200
IFN-α2-K121	α2	-----	LYS	--	gln	--	lys	-----	phe	--	ser	--	ser	--	17	15
→ IFN-α2-K121R125	α2	-----	LYS	--	ARG	--	lys	-----	phe	--	ser	--	ser	--	400	3000
IFN-α2-R125T132	α2	-----	arg	--	ARG	--	THR	-----	phe	--	ser	--	ser	--	23	10
IFN-α2-K121R125T132	α2	-----	LYS	--	ARG	--	THR	-----	phe	--	ser	--	ser	--	170	150
IFN-α2-H125	α2	-----	arg	--	HIS	--	lys	-----	phe	--	ser	--	ser	--	9	
IFN-α2-L125	α2	-----	arg	--	LEU	--	lys	-----	phe	--	ser	--	ser	--	5	
IFN-α2-K125T132	α2	-----	arg	--	LYS	--	THR	-----	phe	--	ser	--	ser	--	4	

Fig. 11B

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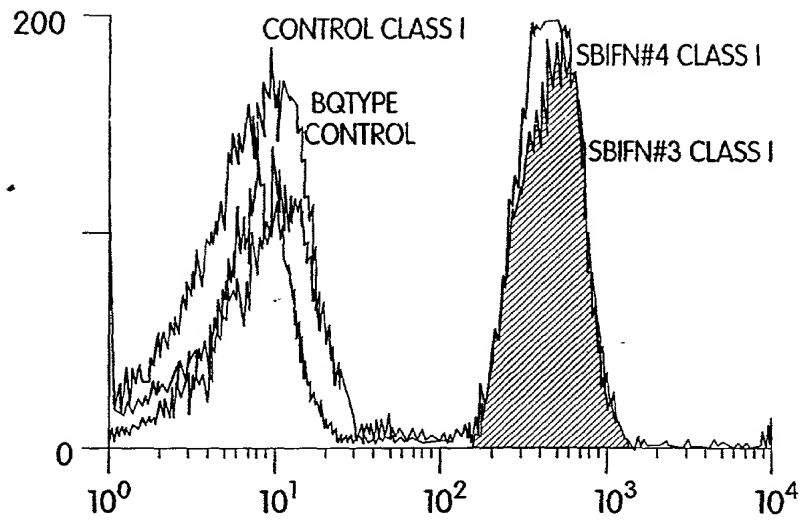


Fig. 12A

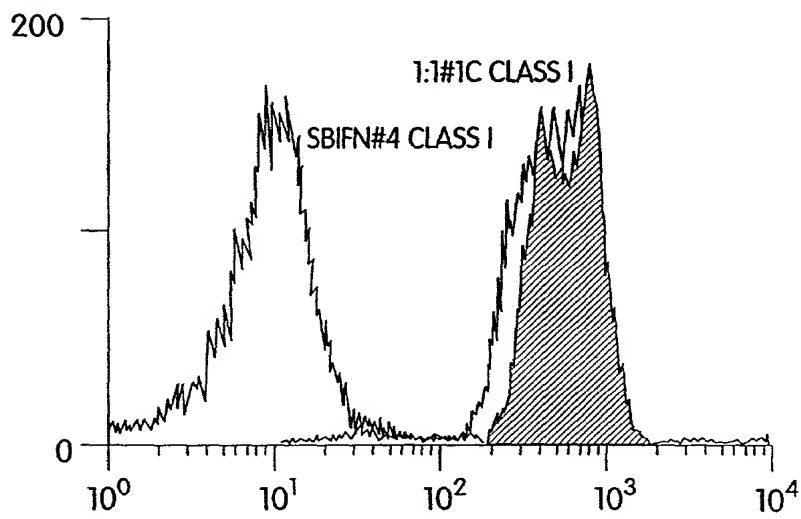


Fig. 12B

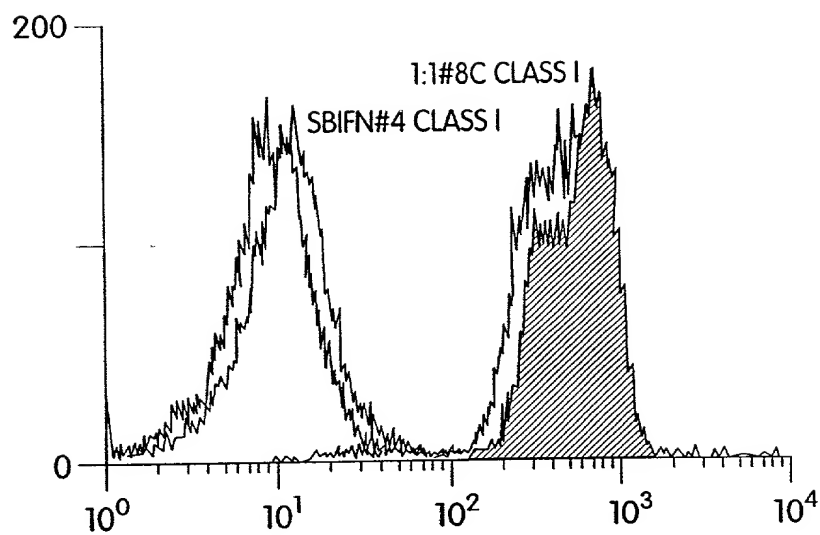


Fig. 12C

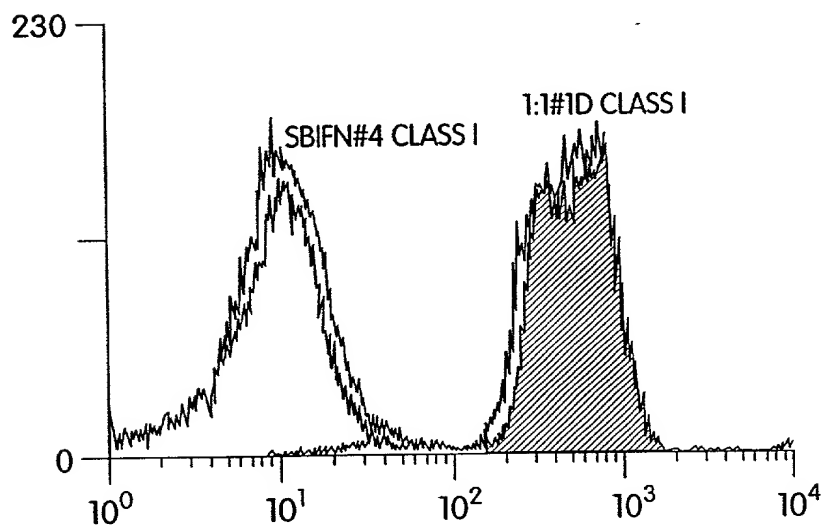


Fig. 12D

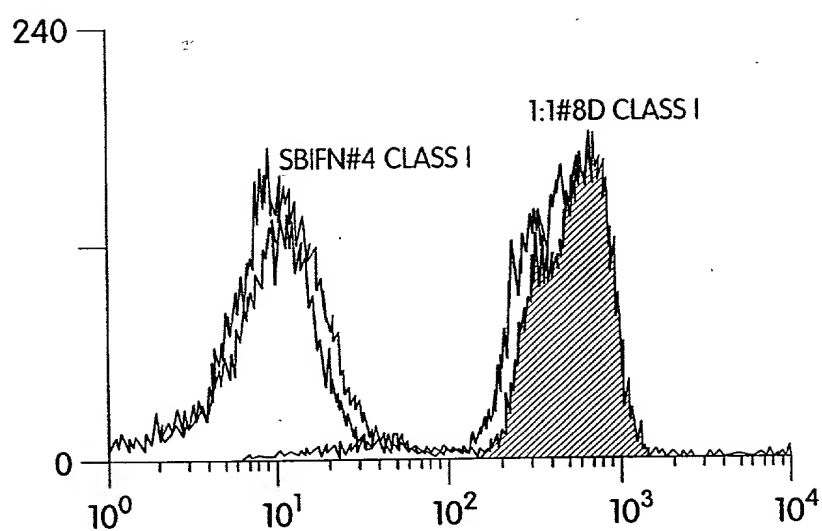


Fig. 12E